

Converting Colors

XYZ(20.2047, 11.4492, 65.4498)

Have a look what the booklet for
XYZ(20.2047, 11.4492, 65.4498)
contains.

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Color

**XYZ(20.2412, 11.4950,
65.4419)**

Conversions

Conversions Part 1

Format	Color
Hex	6D3DD7
RGB	109, 61, 215
RGB Percent	43%, 24%, 84%
CMY	0.5725, 0.7608, 0.1569
CMYK	0.49, 0.72, 0.00, 0.16
HSL	259°, 66%, 54%
HSV	259°, 72%, 84%
XYZ	20.2412, 11.4950, 65.4419
YIQ	92.9080, -20.8260, 58.0700

Conversions

Conversions Part 2

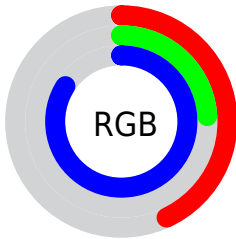
Format	Color
R _{YB}	109, 61, 215
Decimal	7159255
CIE Lab	40.40, 55.47, -71.54
CIE LCh	40, 90.527, 307.792
Yxy	11.4950, 0.2083, 0.1183
Android (android.graphics.Color)	4285349335 (0xFF6D3DD7)
YUV	92.9080, 60.1914, 14.1127
Hunter-Lab	33.9043, 47.2338, -90.7083

Details

The XYZ color **20.2412, 11.4950, 65.4419** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **41.0781, 57.1529, 13.2814**, and the grayscale version is **10.2513, 10.7852, 11.7451**.

A 20% lighter version of the original color is **40.3173, 27.4653, 97.7841**, and **7.2977, 3.1036, 33.0153** is the 20% darker color. If you saturate the color by 10%, you get **17.6452, 8.7810, 65.0552**, and if you desaturate by 10%, it is **23.6047, 15.2870, 65.9968**.

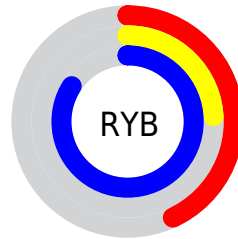
Distribution



Red (43%)

Green (24%)

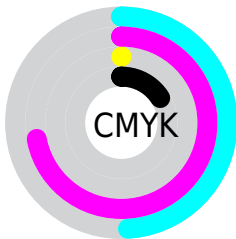
Blue (84%)



Red (43%)

Yellow (24%)

Blue (84%)

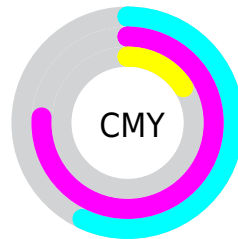


Cyan (49%)

Magenta (72%)

Yellow (0%)

Black (16%)



Cyan (57%)

Magenta (76%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2412, 11.4950, 65.4419 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.2412, 11.4950, 65.4419 by changing the saturation by 10% instead.

■ 20.2412, 11.4950,
65.4419

■ 20.2412, 11.4950,
65.4419

246.0266,
201.0328, 462.7279

■ 12.6798, 6.4008,
47.3659

■ 43.3221, 28.5719,
114.3043

■ 7.2839, 3.0903,
32.9686

■ 59.5722, 41.3235,
145.9277

■ 3.6882, 1.1791,
21.8314

■ 79.4493, 57.3963,
182.9041

■ 1.5273, 0.0445,
13.5360

■ 103.3188, 77.1747,
225.6518

■ 0.3443, 0.0000,
7.6636

■ 131.5458,
101.0432, 274.5895

■ 0.0000, 0.0000,
3.7958

■ 164.4959,

■ 0.0000, 0.0000,

129.3861, 330.1357

1.5140

202.5344,
162.5878, 392.7090

■ 0.0000, 0.0000,
0.2283

■ 0.0000, 0.0000,
0.0000

■ 20.2412, 11.4950,
65.4419

■ 20.2412, 11.4950,
65.4419

■ 17.6452, 8.7810,
65.0552

■ 23.6047, 15.2870,
65.9968

■ 15.7407, 7.0188,
64.8154

■ 27.7971, 20.2616,
66.7361

■ 14.5819, 6.1003,
64.6992

■ 32.8752, 26.5116,
67.6748

■ 38.8900, 34.1202,
68.8264

■ 45.8882, 43.1632,
70.2030

■ 53.9134, 53.7109,
71.8160

■ 63.0066, 65.8287,
73.6757

■ 73.2061, 79.5784,
75.7920

■ 84.5487, 95.0181,
78.1744

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.6652, 11.4950, 88.9091



20.2412, 11.4950, 65.4419



26.5683, 11.4950, 30.9220

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.2412, 11.4950, 65.4419



16.2186, 11.4950, 0.0000



2.7459, 11.4950, 17.8781

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.2412, 11.4950, 65.4419



41.0781, 57.1529, 13.2814

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



3.0739, 11.4950, 3.4078



20.2412, 11.4950, 65.4419



9.3531, 11.4950, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.2412, 11.4950, 65.4419



23.6871, 11.4950, 0.9920



5.0233, 11.4950, 0.0000



3.8404, 11.4950, 48.4782

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.2412, 11.4950, 65.4419



28.2224, 11.4950, 13.9119



5.0233, 11.4950, 0.0000



2.7048, 11.4950, 11.2169

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.2418, 11.4953, 65.4422



67.9979, 64.1309, 103.4024



28.3411, 34.2001, 69.3978



13.9040, 12.8802, 22.0033



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.2418, 11.4953, 65.4422



24.3878, 11.4104, 95.5248



33.7497, 18.4589, 66.0744



12.1032, 12.1946, 15.6534



8.8182, 3.6984, 38.7023



0.6161, 0.2665, 2.3383

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.6678, 20.5744, 38.5954



50.7929, 26.0761, 49.1675



29.5365, 51.2030, 12.7413



12.7806, 12.5637, 14.7847



20.0077, 9.9394, 17.8767



1.2433, 0.6141, 1.2704

Previews

White Background



This preview shows how the XYZ color 20.2412, 11.4950, 65.4419 looks on a white background.

Color Contrast Check

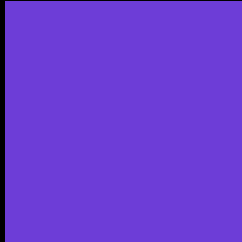
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.2412, 11.4950, 65.4419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

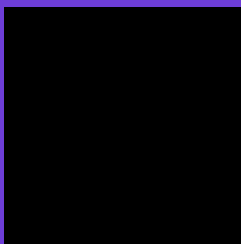
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2412, 11.4950, 65.4419

Background



This preview shows how black text looks on a background with the XYZ color 20.2412, 11.4950, 65.4419.



This preview shows how white text looks on a background with the XYZ color 20.2412, 11.4950,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.2412, 11.4950, 65.4419

Protanopia

13.5648, 11.5493, 52.5532

Deuteranopia

11.3427, 11.5254, 38.1860



Tritanopia

10.1111, 11.3957, 15.3023

Trichromacy



Original Color

20.2412, 11.4950, 65.4419

Protanomaly

14.4782, 10.6002, 57.1601

Deuteranomaly

12.7753, 10.4088, 46.6832

Tritanomaly

12.5566, 10.6962, 28.5969

Monochromacy



Original Color

20.2412, 11.4950, 65.4419

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.6034, 10.3437, 24.9992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2412, 11.4950, 65.4419 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(109, 61, 215)` looks like.

```
.text, #text, p{  
    color:rgb(109, 61, 215)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(109, 61, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 61, 215) }
```

Border

The CSS property to change the border of an element to XYZ 20.2412, 11.4950, 65.4419 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 61, 215) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(109, 61, 215) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(109, 61, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 61, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 61, 215);  
box-shadow:4px 4px 4px 4px rgb(109, 61,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2412, 11.4950, 65.4419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 61, 215) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(109, 61,  
215) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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